

Amendments to the Claims

1. (Currently Amended) A method of printing a data file on a printer comprising the steps of:
 - receiving the data file in a stream of data from a content source external to the printer;
 - setting a first block size for a portion of data from the stream, ~~including pinging the content source to calculate a data transfer speed;~~
 - gathering from the stream and storing in a memory a first portion of data having the first block size;
 - printing the first portion while continuing to receive the stream;
 - adjusting the first block size to a second block size after printing has begun;
 - gathering from the stream and storing in the memory a second portion of data having the second block size; and
 - printing the second portion after printing the first portion.
2. (Original) The method of printing of claim 1, wherein the step of gathering a second portion is started during the step of printing the first portion.
3. (Canceled).
4. (Currently Amended) The method of printing of claim 1, wherein the steps of setting a first block size and adjusting the first block size further comprise ~~comprises the steps~~ step of:
 - pinging the content source to calculate a data transfer speed; and
 - adjusting the first block size based upon the data transfer speed.
5. (Previously Presented) The method of printing of claim 4, wherein the step of adjusting the first block size further comprises the step of:
 - if the data transfer speed is a second speed greater than a first speed, setting the second block size larger than the first block size.
6. (Canceled).

7. (Previously Presented) The method of printing of claim 1, further comprising the step of retrieving the second portion from the memory after the step of printing the first portion.

8. (Previously Presented) The method of printing of claim 1, wherein the step of receiving the file from a content source further comprises the step of downloading the data file from a server via an Internet communications system.

9. (Original) The method of printing of claim 1, further comprising the steps of:

after the step of gathering the second portion of data, if all data from the data file has not been received from the content source, then:

gathering at least one additional portion of data from the stream; and
printing the at least one additional portion of data.

10. (Currently Amended) A method of printing a data file on a printer comprising the steps of:

partitioning the data file into a plurality of portions on a content source external to the printer;

setting a first block size for the portions of data ~~based upon ping~~ ~~pinging the content source to calculate a data transfer speed~~;

receiving a first portion of the file having the first block size from the content source;

storing the first portion in a memory;

printing the first portion;

adjusting the first block size to a second block size after printing has begun;

receiving a second portion of the file having the second block size from the content source during the step of printing the first portion; ~~and~~

storing the second portion in the memory; and

printing the second portion after printing the first portion.

11. (Canceled).

12. (Currently Amended) The method of printing of claim 10, wherein the steps of setting a first block size and adjusting the first block size further comprise comprises the step step of:

pinging the content source to calculate a data transfer speed; and
adjusting the first block size based upon the data transfer speed.

13. (Previously Presented) The method of printing of claim 12, wherein the step of adjusting the first block size further comprises the step of:

if the data transfer speed is a second speed greater than a first speed, then setting the second block size larger than the first block size.

14. (Canceled).

15. (Previously Presented) The method of printing of claim 10, further comprising the step of retrieving the second portion from the memory after the step of printing the first portion.

16. (Previously Presented) The method of printing of claim 10, wherein the step of receiving a first portion of the file from the content source further comprises the step of downloading the first portion from a server via an Internet communications system.

17. (Previously Presented) The method of printing of claim 10, further comprising the steps of:

after the step of receiving the second portion of the file, if all data from the data file has not been received from the content source, then:

receiving at least one additional portion of data from the stream; and
printing the at least one additional portion of data.

18-25. (Canceled)

26. (Currently Amended) A computer program product for printing a data file on a printer, the computer program product comprising a computer readable medium having code thereon for:

~~code that receives~~ receiving the data file in a stream of data from a content source external to the printer;

~~code that sets~~ setting a first block size for a portion of data from the stream, including ~~pinging the content source to calculate a data transfer speed;~~

~~code that gathers~~ gathering from the stream and storing stores in a memory a first portion of data having the first block size;

~~code that sends~~ printing the first portion ~~to the printer~~ while continuing to receive the stream;

~~code that adjusts~~ adjusting the first block size to a second block size after printing has begun;

~~code that gathers~~ gathering from the stream and storing stores in the memory a second portion of the data having the second block size ~~while the first portion is being printed;~~ and

~~code that sends~~ printing the second portion ~~to the printer~~ after the first portion is printed.

27. (Canceled).

28. (Currently Amended) The computer program product of claim 26, further comprising code for:

pinging the content source to calculate a data transfer speed; and

~~code that sets~~ setting the first block size and adjusting adjusts the first block size based upon the data transfer speed.

29. (Currently Amended) The computer program product of claim 28, wherein the code for adjusting ~~that adjusts~~ the first block size further comprises:

code for setting ~~that sets~~ a second block larger than the first block size if the data transfer speed is a second speed greater than a first speed.

30. (Canceled).

31. (Currently Amended) The computer program product of claim 26, further comprising code for retrieving ~~that retrieves~~ the second portion from the memory after the first portion is printed.

32. (Currently Amended) The computer program product of claim 26, further comprising code for downloading ~~that downloads~~ the first portion from a server via an Internet communications system.

33. (Currently Amended) The computer program product of claim 26, further comprising code for:

~~code that determines~~ determining if all data from the data file has been received from the content source;

~~code that gathers~~ gathering at least one additional portion of data from the stream when all data from the data file has not been received; and

~~code that sends~~ printing the at least one additional portion of data ~~to the printer~~.

34. (New) The computer program product of claim 26, wherein the code for gathering from the stream and storing in the memory a second portion of the data having the second block size comprises code for gathering from the stream and storing in the memory a second portion of the data having the second block size while the first portion is being printed.

35. (New) A method of printing a data file on a printer comprising the steps of:

receiving the data file in a stream from a content source external to the printer;

setting a block size for a portion of data from the stream;

gathering a first portion of data from the stream;

printing the first portion while continuing to receive the stream;

gathering a second portion of data from the stream; and

printing the second portion after printing the first portion.

36. (New) The method of printing of claim 35, wherein the step of gathering a second portion is started during the step of printing the first portion.

37. (New) The method of printing of claim 35, wherein the step of setting a block size includes adjusting the block size based upon a data transfer speed.

38. (New) The method of printing of claim 37, wherein the step of adjusting the block size includes:

if the data transfer speed is a first speed, setting a first block size; and

if the data transfer speed is a second speed greater than the first speed, setting a second block size larger than the first block size.

39. (New) The method of printing of claim 35, further comprising the step of storing the second portion of the file in a memory source prior to the step of printing the second portion.

40. (New) The method of printing of claim 39, further comprising the step of retrieving the second portion from the memory source after the step of printing the first portion.

41. (New) A method of printing a data file on a printer comprising the steps of:

receiving a first portion of the file from a content source external to the printer;

setting a block size for a portion of data from the stream;

printing the first portion;

receiving a second portion of the file from the content source during the step of printing the first portion; and

printing the second portion after printing the first portion.

42. (New) The method of printing of claim 41, wherein the step of setting a block size includes adjusting the block size based upon a data transfer speed.

43. (New) The method of printing of claim 42, wherein the step of adjusting the block size includes:

if the data transfer speed is a first speed, setting a first block size; and

if the data transfer speed is a second speed greater than the first speed, setting a second block size larger than the first block size.

44. (New) A computer program product for printing a data file on a printer, the computer program product comprising a computer readable medium having code thereon for:

receiving the data file in a stream from a content source external to the printer;

setting a block size for a portion of data from the stream;

gathering a first portion of data from the stream;

printing the first portion while continuing to receive the stream;

gathering a second portion of data from the stream; and

printing the second portion after printing the first portion.

45. (New) The computer program product of claim 44, wherein the code for gathering a second portion of data from the stream comprises code for gathering a second portion of data from the stream during printing the first portion.

46. (New) The computer program product of claim 44, wherein the code for setting a block size includes code for adjusting the block size based upon a data transfer speed.

47. (New) The computer program product of claim 46, wherein the code for adjusting the block size includes code for:

if the data transfer speed is a first speed, setting a first block size; and

if the data transfer speed is a second speed greater than the first speed, setting a second block size larger than the first block size.